Please

NEWBURN URBAN DISTRICT COUNCIL.

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Annual Report

OF THE

Medical Officer of Health

FOR THE YEAR 1934.

Newcastle=upon=Tyne:

Tyne Printing Works, Limited, 82, Pilgrim Street.

1935.



NEWBURN URBAN DISTRICT COUNCIL.

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Newburn Urban District Council.

HEALTH COMMITTEE.

COUNCILLOR C. BARRY BOYCE, Chairman.

- " John Rodgers, Deputy Chairman.
- " RICHARD BROWELL, J.P.
- ,, JOHN CURLEY.
- " MARGARET ELIZABETH KERR.
- ,, JAMES MITFORD.
- ,, SYDNEY CHARLES WATSON.

STAFF OF THE PUBLIC HEALTH DEPARTMENT.

Medical Officer of Health . Andrew I. Messer, M.A., M.B., CH.B., D.P.H.

Chief Sanitary Inspector .. Thomas W. Walton,
M.R. San. I., M.I.H., M.S.I.A.
Certified Meat Inspector.

Additional Sanitary ... Fred James, A.R. San. I.,
Inspector M.S.I.A,
(Appointed 9th April, 1934)

,, WILLIAM N. LOCKEY,
M.R. SAN. I., M.S.I.A
Certified Meat Inspector.
(Resigned 28th February, 1934)

Health Visitor and MISS R. E. STEAD, A.R. SAN. I. Welfare Superintendent Member College of Nursing.

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Newburn Urban District Council.

Medical Officer of Health's Report, 1934.

To the Chairman and Members of the Health Committee.

MR. CHAIRMAN, MADAM AND GENTLEMEN,

I have to submit the Annual Report for the year 1934, on the work of the Health Department.

This is an ordinary Report, as defined in the Ministry of Health Circular 1417 dated 25th October, 1934.

NATURE AND SOCIAL CONDITIONS OF THE AREA.

(a) AREA.

The area of the district is as follows:—

Ward.	Parish.	Area in Acres.
Newburn	Newburn	618
Newburn Hall	Newburn Hall	711
Throckley and	Throckley	771
Walbottle	Walbottle	\{ 771 \{1419
	East Denton	764
Denton	Sugley	60
	West Denton	329
		manufacture descriptions
	Total	4672

(b) POPULATION.

The mid-year population is estimated by the Registrar General to be 19,760.

The following table shows the actual census populations for the years 1921 and 1931, the estimated population 1934 and the number of persons per acre in 1934 in each ward.

Ward.	Popu	lation.	Estimated Population	Persons
yy ard.	1921 Census.	1931 Census.	Mid 1934.	1934.
Newburn Newburn Hall Throckley and	4523 4164	5520 3421	5610 3375	9.0 4.0
Walbottle Denton	5720 4423	$\frac{4842}{5759}$	4872 5903	$ \begin{array}{c} 2.2 \\ 5.1 \end{array} $
Totals	18830	19542	19760	4.2

(c) PHYSICAL CHARACTERISTICS AND GENERAL CHARACTER OF THE DISTRICT.

The Urban District is situate on the North bank of the River Tyne and is undulating in character varying from approximately sea level to between 400 and 500 feet above ordnance datum.

The district is bisected by the main Carlisle-Newcastle road, constructed on the site of the Roman Wall of Hadrian.

(d) NUMBER OF INHABITED HOUSES.

The following table shows the number of inhabited houses in the area according to the rate book at 31st March, 1935, the number in each ward and the average number of persons per house.

Ward.	Estimated Population.	No. of houses.	Average No. of persons per house
Newburn Newburn Hall Throckley and	5,610 3,375	1,399 799	4.0
Walbottle Denton Whole District	4,872 5,903 19,760	1,186 1,645 5,029	4.I 3.5 3.9

(e) RATEABLE VALUE.

The rateable value of the district at the close of the year was £87,361 and the amount produced by a penny rate £325.

(f) SOCIAL CONDITIONS.

The district is chiefly industrial, the majority of the adult male population being connected with the mining and engineering industries. In addition a number are employed in brickmaking and at the glassworks.

I am indebted to the Manager of the local Employment Exchange for the following particulars relating to unemployment in the district:—

No. of persons unemployed at the end of December, 1934:

Men.	Young Men.	Boys.	Women.	Young Women.	Girls.
1,214	63	39	29	18	74
		Total:	—I,437·		

(g) VITAL STATISTICS.

Table I. shews the vital statistics of the district as compared with those of England and Wales, London, 121 great towns and 135 smaller towns.

Table II. shews a comparison of the vital statistics of the district for the past ten years.

(1) Deaths.

Table III. shews the causes of and ages at death of residents belonging to the district, as registered during 1934, together with the distribution of the deaths to each ward. The table is corrected for outward and inward transfers.

It will be seen that 254 deaths occurred, 133 were males and 121 females. This gives a crude death rate of 12.85 (as compared with 12.96 for 1933) and a standardised death rate of 14.77.

(2) Births

The following figures show the particulars relating to births during the year and set out in the prescribed manner to comply with circular 1417.

(3) Infant Mortality.

Table 4 shews the causes of and ages at deaths of infants under one year during 1934.

21 Legitimate deaths and I Illegitimate death, making a total of 22, gives an infantile mortality rate of 74.07 per 1,000 live births, compared with 87 for the year 1933.

The death rate of legitimate infants per 1,000 legitimate live births is 74.2 and the death rate of illegitimate infants per 1,000 illegitimate live births is 71.4.

NEWBURN URBAN DISTRICT COUNCIL.

Comparative Table of Life Statistics, 1934.

		Mary to the last of the last			The second secon	2 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -							
	Birth rate per 1,000	Birth rate per 1,000		An	INUAL DE	ANNUAL DEATH RATE PER 1,000 POPULATION.	E PER 1,0	00 Popui	ATION.			RATE PER 1,000 LIVE BIRTHS.	к 1,000 іктнѕ.
	Popul	Population.		Typhoid and			A 1 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Whoop-	Je je	.szn	.991	Diar- rhœa	Total Deaths
	Live Births.	Live Still Births.	Causes.	Paraty- phoid Fevers.	Pox.	Measles.	Fever.	ing Cough.	theria.	enfin	ı∍loiV	Enteritis (Under 2 years).	under 1 year.
England and Wales	14.8	0.62	11.8	0.00	0.00	0.09	0.02	0.05	0.10	0.14	0.54	5.5	59
and Great Towns, in- 14.7 cluding London	+	99.0	11.8	0.00	0.00	0.12	0.02	90.0	0.11	0.12	0.47	4.7	63
135 Smaller Towns (Estimated Resident Populations 25,000—50,000 at Census 1931)	15.0	0.67	11.3	0.00	0.00	0.07	0.02	0.04	0.09	0.14	0.42	3.6	දුර දුර
London	13.2	0.50	11.9	0.00	0.00	0.20	0.03	0.07	0.11	0.12	0.56	12.6	67
NEWBURN	15.0	15.0 1.06	*14.77	0.00	0.00	0.10	0.05	00.00	0.00	00.00	08.0	ಣ	74
	The second secon											1000	

* Standardised Death Rate.

NEWBURN URBAN DISTRICT COUNCIL.

M 4

Vital Statistics of Whole District during 1934 and Nine previous years.

40		74-147-14											
G TO	ages.	Rate.	13	11.42	10.54	8.66	11.78	10.96	10.57	12.17	11.44	12.96	12.85
ELONGIN STRICT.	At all	Number	77	235	221	183	241	223	215	240	224	255	122
NETT DEATHS BELONGING THE DISTRICT.	yr. of age.	Rate per 1,000 Births.	11	67	101	85	86	69	22	08	72	87	74
NETT	Under 1 y	Number.	10	27	42	30	39	22	50	27	55	59	61
ERABLE THS.	Of mosi	dents not registered in the District.	6	39	33	41	47	49	20	47	47	59	63
Transferable Deaths.	Of non	residents registered in the District.	∞	∞	35	_	<u> </u>	12	6	6	11	13	4
DEATHS	STRICT.	Rate.		9.91	10.64	7.05	9.85	9.14	8.55	10.24	9.60	10.62	9.76
Total Deaths	THE DISTRICT.	Number	9	204	223	149	201	186	174	202	188	509	193
	tt.	Rate.	ಬ	19.54	19.86	17.38	19.41	15.58	16.91	16.78	15.48	16.92	15.03
Births.	Nett.	Number.	4	402	416	367	397	317	345	335	303	333	297
		Un- corrected Number.	೯೧	388	388	339	361	290	329	291	318	318	288
	Population	estimated to middle of each year.	67	20,570	20,950	21,120	20,450	20,340	20,340	+19,720	19,570	19,670	19,760
		Year.		1925	1926	1927	1928	1929	1930	1931	1932	1933	1934

† Census Population, 19,539.

		Denton.	:	•	_	•	• •		• •	+			∞	•	ا ان د	71	 	1 10	~	•	$\overline{}$	•	: -	H &	1 4		•	٢	၁၈	1 ~	, FO	r c	1	1.1
	·	Newburn IlsH			0.1	•	•		; ?	ر ا	∃ :		9	•	ତୀ କ	ກ :	•	ಯ ಆ	7	•	•	•		⊣ ,	ان ا	-	:		#	•	. 4	ଚୀ ଚ	7	47
	WARD.	Val- bottle & Throck- ley.	•	. •	01	•	• •	•	: 6	S.	• •	•	1-	• (J. L			ı~ c	1	. =	•	•	•		-	•	•	c	ಭ ಕಣ	;	Ωí	ç1 −		57
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		65 and upwards	•	•	•	•	• •	•	. 1980		• •	•	13	• 5	4 c		67.5	XO 10	c	•	•	• -	٠ ،	1 ೧೧	<u>.</u>	•	•		: c	•		ಾ ಬ		102
r 1934.	ED AGES.	45 and under 65	•	•	•	•	• •	•		ť ;		•	13	c	<u>ಹ</u>	7	<u></u>	-	- ·	G1	•	•	•	: 01	9	•	•			·	Ð	ro		74
the Year	SUBJOINED	25 and under 45	•		•	•	• •	٠	· 2)	•	•	prosected)	•	•			• ===			•			• •	•	•	•		• •	•	10	- 	4	21
during	DISTRICT AT	15 and under 25	•	: -	-	•	• •	•	: ೧	হ হয়	•	•	÷	•	: ⓒ	1 :	•		ni •	٠	•	•	•	• •	•	ા	•		• •	•	©1			14
Deaths d	TO	5 and under 15		: 3	S	• •	• •	:	•	: ೧၁	•	•	:	•	•	• •			-	•	•	•	•		•	•	•		• •	٠	m-4	• (12
of	BELONGING	2 and under 5	•		-	• •	•	•	•	* •			•	•		• •	•	•	• •	•	•	•	•		•	•	•		• •	•	• 5	merel person		4
I ABLE Distribution	DEATES B	l and under 2	•		•	• •	•	•	6	• *******	•		•	•	• •	• •	٠	: ೧೦) •			•	• •		•	•	•		b •	٠	•	• •	a managarita	J.
and Dis	NETT D	Under 1 year	•	:	•			٠	•	• •		•	٠	↓ ↓	• •	•			0 0			•	•		•	•		9) •	•	* *	0 0	70	22
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of,	$ \mathcal{X} $	Male.		22	- :	• •	•	•	12		• 00	• ;	. I5		. 14	• (· α				⊣	: -			<u>س</u>	- :	•	6.	· m		. 13	11		. 133
Causes		CAUSES OF DEATH.	Typhoid and Paratyphoid Fevers	Measles Sosrlet Fever	Whooping Cough	್ದ	Influenza	Encephalitis Lethargica	Tuberculosis of the Respiratory System	Other Tuberculous Diseases	Syphilis General Paralysis of the Insane Tabes		Cancer Malignant Disease	Carehral Hamorrhage etc	ase		Other Circulatory Diseases Bronchitis	Pheumonia (all forms)	Other Respiratory Diseases		Diarrinea, etc. (under 2 years)	Cirrhosis of Liver	Other Diseases of Liver etc	Other Digestive Diseases	Acute and Chronic Nephritis	Fuerporal Sepsis	Congenital Debility and Malformation	Premature Birth		Suicide	Other Violence	Causes ill-defined or unknown		Totals

NEWBURN URBAN DISTRICT COUNCIL.

TABLE IV.

1934.
Mortality,
nfant A

Total Deaths under 1 year		٠	:	:	•	:	:	:	:	_	+	_		4	10	,—,	p====	:	22
9—12 months		٠	٠		•		•	٠			•	•	•	•		•	:	•	
6—9 months	: :				•	•	•	•		-	*		•	•		•	•	*	
3—6 months	• •	٠	•			•	•	:		•			•			•	٠	•	5
1—3 months	• •	•			•		:		•		:	•		:	-	•			
Total under 4 weeks	•	٠	:	•	•	•	:	:	:	:	•	:	:	4 j1	<u>с</u> .		~	•	15
3—4 weeks		٠	٠	•	•	:		•	•		:					:			
2—3 weeks	• •	•	6	4	•		*		•	*							•		
1—2 weeks	• •	•		•	•	•	٠	*		*	:			_	_	٠	~		ကာ
Under 1 week		٠	•		٠									ಣ	∞	_		*	12
			•	•	•		•	•	•	•		•	•	•	*	•	•	•	
	• •		•	•	•		•	•	•		•		•			smus		•	
CAUSE OF DEATH.	All Classes { Certified Uncertified	Measles	Whooping Cough	Diphtheria	Influenza	Meningitis	Tubereular Meningitis	Abdominal Tuberculosis	Other Tuberculous Disease	Bronehitis	Pneumonia	Diarrhœa	Enteritis	Congenital Malformations	Premature Birth	Atrophy, Debility and Marasmus	Convulsions	Other Causes	Totals

Net Births in the Year {Legitimate ... 21 Infantile Death I

Infantile Death Rate (per 1,000 Births) .. 74

22

GENERAL PROVISION OF HEALTH SERVICES IN THE AREA.

The information required under this heading was given in detail in the report for 1930, and no material alterations have since been made.

(I) Public Health Officers of the Local Authority.

The following table shewing the various public health officers of the Council is again reprinted in accordance with circular 1417 of the Ministry of Health.

Office.	Officer.	Qualifications.	Whole or Part-Time.
Medical Officer of Health. Medical Officer, Child Welfare Centres.	Andrew I. Messer.	M.A., M.B., Ch.B., D.P.H.	Part-Time.
Chief Sanitary Inspector. Housing Inspector. Meat and Foods Inspector.	Thomas W. Walton.	Sanitary Inspector's Certificate, Royal Sanitary Institute and Sanitary Inspectors' Examination Joint Board. Meat Inspector's Certificate, Royal Sanitary Institute. Sanitary Science as Applied to Buildings and Public Works Certificate, Royal Sanitary Institute. Diploma in General Hygiene (honours), Institute of Hygiene. Certificates: Building Construction, Builders Quantities, etc.	Whole Time.

[Continued.

(1) Public Health Officers of the Local Authority.—Continued.

Office.	Officer.	Qualifications.	Whole or Part-Time.
Additional Sanitary Inspector.	Fred James.	Sanitary Inspector's Certificate, Royal Sanitary Institute & Sanitary Inspectors' Examination Joint Board. Certificates: Sanitation, etc.	Whole Time.
Health Visitor.	Miss R. E. Stead.	Health Visitor's and School Nurse's Certificate, Royal Sanitary Institute. Massage Certificate. Obstetric Nursing Certificate.	Whole Time.
Dental Surgeon. Child Welfare Centres.	H. Davis, Esq.	L.D.S.	Part Time

(2) Legislation in Force.

The following adoptive legislation, etc., is in force in the district. The table has been amended in accordance with the records of the Council.

LEGISLATION.	DATE OF ADOPTION.
Infectious Diseases (Prevention) Act, 1890 Public Health Acts (Amendment) Act, 1890.	1st November, 1893.
Private Street Works Act, 1892	1st February, 1895.
Public Health Acts (Amendment) Act, 1907. Part 2.—Sections 15, 16, 17, 22, 27, 32 Part 3.—Sections 34-47, 49 Part 4.—Sections 52-60, 62-68 Part 2.—Section 21 Part 3.—Section 51 Part 6.—Sections 76 & 77 Part 10.—Section 95 Part 2.—Section 25 Part 3.—Section 50 Part 3.—Section 50 Public Health Act, 1925. Part 6—Section 56 Part 4.—Sections 36 to 39, & 42 to 44 Part 4.—Sections 45 to 49 & 54 to 55 Part 2.—Sections 21 & 22 Part 2.—Sections 13 to 19 & 23 to 35	State Stat
Bye-Laws.	
Cleansing of Footways and Pavements Removal of House Refuse Cleansing of Earth Closets, Privies, Ashpits and Cesspools Common Lodging Houses Cemetery Pleasure Grounds Offensive Trades New Streets and Buildings Nuisances Slaughterhouses	do. do. do. do. do. do. st May, 1906. 25th September, 1908. 5th August, 1923. 2nd September, 1924. 20th August, 1928. 12th October, 1928.

(3) Laboratory Facilities.

Laboratory facilities are provided at the Laboratory of the Northumberland County Council in High St., Newburn.

SANITARY CONDITION OF THE AREA.

This is dealt with in the Chief Sanitary Inspector's Report, which is given as an appendix to this Report.

HOUSING.

This is dealt with in the appendix.

INSPECTION AND SUPERVISION OF FOOD

This is dealt with in the appendix.

PREVALENCE OF AND CONTROL OVER INFECTIOUS DISEASES.

(a) NOTIFIABLE DISEASES (OTHER THAN TUBERCULOSIS) DURING 1934.

Table 5 shews the number of cases of infectious disease notified during the year 1934.

NEWBURN URBAN DISTRICT COUNCIL.

TABLE V.

Cases of Infectious Disease notified during the year 1934.

		No. of Deaths.	•	: 10		• (16	•	67		•		23
	Total Cases Removed to to Hospital.					•	•	•	: ०।	•	•	•	133
OF CASES	IN EACH RD.	Throckley and Walbottle.	:	· 4	က	ಣ	٥	• •				•	54
ER OF	ED IN Ward	.H n'dweN	•	22		0.0	3			•			28
NUMBER	Notified Wai	Newburn.	•	26	70	কা হ	+ :		-	•	:		87
Z	Ż	Denton.	•	: 33	14	40	<u>ب</u>				•	•	[5]
		65 and over.		• •		ಣ	•				•	•	က
		45 to 65	•	: -	_	e) e	o :			•			1
		35 to 45	•	• —		ಞ ⊦	- · :	•	•				20
D.		20 to 35	:	: ∞	_	က ⁾	ء :		<u>∵</u> 1	•	•		61
Notified.	PS.	15 to 20	•	· [-	 -	: 0	િ :	•			:		
1	GROUPS.	10 to 15	•	17	Ξ	: 0	÷ :						31
NUMBER OF CASES	AGE	5 to 10	•	09	∞		:	:				•	4-
OF		4 00 00 00 00 00 00 00 00 00 00 00 00 00	•	: m		: 0	÷ :					:	16
IBER		£ 00 4		: ೧೧	•		⊣ :	•	•	•	•	:	功
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		to 2		: m	_	: গ	• :			:		•	7
		Under 1 Year	•	:-	•	: 2	· :	:		:		۰	4
		At all tages.	:		23	68 - 68	1 .		27	•	:		161
		A								B			- 16
	(DISEASE.	:	Scarlet Fever	•	Eryzipelas	Encephalitis Lethargica.	Puerperal Fever.	Puerperal Pyrexia	Ophthalmia Neonatorum	Dysentery	Cerebro Spinal Fever.	Totals.

(b) BACTERIOLOGICAL EXAMINATIONS.

The local medical practitioners continue to avail themselves of the facilities afforded by the Northumberland County Council for the bacteriological examinations of specimens from suspected cases of infectious disease

The following statement shows the number of specimens submitted for examination during the year 1934, together with figures for the preceding four years.

	Tuber	culosis.	Dipht	heria.	Enteric	Fever.
Year.	Total.	Positive.	Total.	Positive.	Total.	Positive.
1930	46	9	10	1	4	3
1931	52	14	12	1	3	2
*1932	76	13	9	3	2	• •
1933	75	13	12	• •	3	2
1934	101	25	65	13	• •	• •

^{*} Also 1 Cerebro Spinal Fluid Positive.

(c) TUBERCULOSIS.

(1) Public Health (Tuberculosis) Regulations, 1930.

During the year, 52 new cases have been notified, 32 pulmonary and 20 non-pulmonary cases.

The following statement shows the number of new cases notified for the five years 1930–1934

Year.	Pulmonary.	Non-Pulmonary.	Total.
1930	36	22	58
1931	42	27	69
1932	38	15	53
1933	28	11	39
1934	32	20	52

The following table shows the age distribution of the 52 new cases and of the deaths of persons certified to be due to tuberculosis.

Amo		New	Cases.			Dea	ths.	
Age Periods.	Puln	ionary.	Non-Pu	ilmonary.	Pulm	nonary.	Non-Pı	ılmonary.
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
0- 1- 5- 15- 25- 35- 45- 55- 65 & over	· · · · · · · · · · · · · · · · · · ·	2 4 4 1 1	 4 2 1 2 1 1	7 1 1 	 2 3 2 3 1	1 1 2 	2 1 	2 1 1
Totals	20	12	11	9	12	4	3	4

Of the 23 deaths registered during the year, 19 were of notified cases and 4 of non-notified cases.

Table 6 shews the localisation and ward distribution of the new cases notified. The following statement shews particulars of cases of Tuberculosis as appearing in the T.B. Register and supplied to the County Medical Officer of Health each quarter in accordance with the Regulations.

It will be seen that there was a nett increase of 15 pulmonary and 17 non-pulmonary cases during the year.

The table shews that at the 31st December, 1934, there were, according to the records of the Department, 205 cases of pulmonary and 143 cases of non-pulmonary tuberculosis resident within the district.

The 22 cases removed from the Register during the yea were for the following reasons:—

PARTICULARS OF TUBERCULOSIS REGISTER.

	KIICULARS OF		7 2 1 1 1	COLO		A C A.	4U1511	
Date.		P	ulmo	nary.	Non	-Puli	nonary	Total Pulmonary and Non-
		М.	F.	Total.	М.	F.	Total.	Pulmonary Cases.
31/12/33	Cases on Register	101	89	190	72	54	126	316
	New eases notified Un-notified & other	5	2	7	2		2	9
	eases added to Register Old cases removed	4	4	8	i	• •	1	9
31/3/34	Cases remaining on Register	102	87	189	73	54	127	316
	New eases notified Un-notified & other	7	5	12	3	3	6	18
	cases added to Register Old eases removed	2 5	ì	2 6	• •			2 6
30/6/34	Cases remaining on Register	106	91	197	76	57	133	330
	New cases notified Un-notified & other	3	1	4	3	1	4	8
	eases added to Register Old cases removed	1		1	• •		• •	1
30/9/34	Cases remaining on Register	108	92	200	79	58	137	337
	New eases notified Un-notified & other	5	4	9	3	5	8	17
	cases added to Register Old cases removed	3	<u>i</u>	4	1 	i	$\begin{bmatrix} \cdot \cdot \cdot \\ 2 \end{bmatrix}$	6
31/12/34	Cases remaining on Register	110	95	205	81	62	143	348

NEWBURN URBAN DISTRICT COUNCIL.

PUBLIC HEALTH (TUBERCULOSIS) REGULATIONS, 1930.
Details of Primary Notifications received during the year, 1934.

	CASES.	Total.	Whole. District.	cı	9	4	∞	20		
	Y CA		Denton.		H	Н	Н	4		
	Non-Pulmonary	Ward.	Walbottle and Throckley.		63		_		-Males 11 Females 9	1 01
	on-P		NewburnHall		0	•	6.1	63	1	
	Z		Newburn.		ಣ	ಣ	4	=	Cases	
	ý	Total.	olohW Jointsi (T	2	12	4	6.	32	Non-Pulmonary C	
	CASE		Jenton.	-	67	•	61	10	Pulm	
	PULMONARY CASES.	Ward.	Walbottle and Throckley.	63		•	-	ಣ	Non-	
	Pun		NewburnHall		63	=	4	00		
			Newburn.	ಣ	00	က	6.1	16		
	GRAND TOTAL.	and ary	Pulmonary Non-Pulmor Cases,	5	18	∞	80	53		
			.IstoT	67	9	4	∞	20		
	ASES.	•	Meninges	П	•	•	ଷ	ಣ	20 12	1 2 2 2
	RY C.	•1	nə m obd A	1	4	4	67			1 6.5
	IONAI		Леск.	•		•	•		-Males Females	
	Non-Pulmonary Cases.	.qi1	A & AgidT		~	•	-	7		
	Now		.aniq2	•	•	•	-		Case	
A STATE OF THE PARTY.		,100	Knee & Fo			•	ଚୀ	23	nary	
	ARY.		.lstoT	L	12	4	o o	£5.	Pulmonary Cases-	
	PULMONARY CASES.		.xnynx.	•	:	•	•	•	Д	
	Pui		-sgan-I	7	12	4	G	32		
		Quarter	Ending.	31/3/34	30/6/34	30/9/34	31/12/34	Totals		

(2) Public Health (Prevention of Tuberculosis) Regulations, 1925.

No action was necessary under these Regulations during the year.

(3) Public Health Act, 1925.

No action was necessary under this Section during the year.

(4) Tuberculosis Scheme.

The tuberculosis scheme is administered by the Northumberland County Council.

(d) VACCINATION.

The Vaccination Officer, Mr. R. J. Harrison has given me the following statement regarding vaccination for 1934.

Number of Births	• •	302
Number vaccinated	• •	59
Number exempted	• •	171
Number Dead before being vacated	ecin-	12
Number postponed	• •	6
Number removed out of the	dis-	
trict		12

MATERNITY AND CHILD WELFARE.

Hospital accommodation is available under an arrangement with the Princess Mary Maternity Hospital, Newcastle-upon-Tyne, for all types of maternity cases, the Council making up to the hospital any deficiency in the fees payable by the patient. During the year, 30 cases were admitted. Of these, II were normal cases where confinement at home was deemed inadvisable, 19 were cases where complications existed or were anticipated.

(a) NOTIFICATION OF BIRTHS ACT.

Table VII. shews the number of notifications received and the visits paid by the Health Visitor under the above Act, during the year as compared with the number of births registered.

Number of Births Registered:—

		Males.	Females.	Total.
Legitimate		138	145	283
Illegitimate	• •	8	6	14
Totals	• •	146	151	297

(b) MATERNITY AND CHILD WELFARE CENTRES.

Child Welfare Centres have been established at the following places and are open at times stated:—

Address.	Day and Time.
Wesleyan Chapel, Stamfordham Road, Westerhope.	Monday, 1 to 4 p.m.
Adult School Settlement, Montague Street, Lemington.	Wednesday, 1 to 4 p.m.
Wesleyan Chapel, Hexham Road, Throckley.	Thursday. 1 to 4 p.m.

The following statement shews the attendances of expectant mothers and infants at the Centres for the last five years.

	W	'esterho	pe.	L	emingto	on.	ר	Throckle	ey.		Total.	
Year.	Under 1 year.	Others	Total	Under l year.	Others	Total	Under 1 year.	Others	Total	Under 1 year.		Total
1930	504	223	727	1884	1222	3106	1268	760	2028	3656	2205	5861
1931	660	305	965	1419	801	2220	1090	612	1702	3169	1718	4887
1932	874	536	1410	1416	769	2185	1069	610	1679	3359	1915	5274
1933	724	584	1308	2207	930	3137	1205	680	1885	4136	2194	6330
1934	638	491	1129	1677	1047	2724	1173	695	1868	3488	2233	5721
Totals	3400	2139	5539	8603	4769	13372	5805	3357	9162	17808	10265	28073

In addition the following mothers attended for advice without their babies:—

(c) MATERNAL MORTALITY.

Two cases of Puerperal Pyrexia were notified during the year. Both were removed to hospital and subsequently proved fatal, the cause of death in each case being registered as Puerperal Seplicaemia. The maternal mortality rate is 6.28 per 1,000 total births.

(d) OPHTHALMIA NEONATORUM.

No cases of Ophthalmia Neonatorum were notified during the year.

NEWBURN URBAN DISTRICT COUNCIL.

TABLE VII.

Particulars of Work carried out under the Notification of Births Act, 1907.

				-	A STATE OF THE PARTY OF THE PAR								
	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Totals.
Number of Births notified	24	27	31	22	28	24	20	25	21	23	20	23	288
Number of Births not notified	Ø	ಣ		2	67	4	63		23	23		•	21
Number of Births notified by Doctors, etc	10	14	16	∞	∞ ==	12	10	11	10	12	13		145
Number of Births notided by Midwives	14	13	15	14	10	12	10	14		11	7	12	143
Number of Stillborn	4	•	•	C1	23					_			14
Number of first visits to Infants	22	35	23	28	31	20	28	22	18	21	27	16	291
Number of re-visits to Infants	19	73	102	108	130	96	69	100	58	56	901	71	1030
Number of visits to Children 1—5 years	72	154	122	125	199	107	110	145	101	77	159	93	1464
Number of first visits to Expectant Mothers			ಣ	•	2	•	•	2			က	•	12
Number of re-visits to Expectant Mothers		•	-	_	9			2		က	4	•	20
Casual visits of Health Visitor	28	37	27	27	38	33	18	32	15	19	22	26	322

(e) DENTAL TREATMENT.

The scheme of Dental Treatment continues its good work with steadily increasing numbers.

The Council's Dental Surgeon (H. Davis, Esq., L.D.S.) reports the following work done during the year 1934:—

Number of Patients attending .	116
Number of Attendances	172
Number of Extractions with Local	
Anæsthetics	378
Number of Fillings	28

In addition, scalings and dental dressings were carried out where necessary. Much time is also spent addressing the mothers on the importance of regular dental inspections and treatment of their children up to school age.

(f) CHILDRENS ACT, 1908. PART I.

The administration of this portion of the above Act is undertaken by the Council. Two children were on the register at the close of the year.

The Council's Health Visitor, Miss Stead, visits all cases where infants are received for reward.

ANDREW I. MESSER,

MEDICAL OFFICER OF HEALTH.

May, 1935.

APPENDIX.

Newburn Urban District Council.

Chief Sanitary Inspector's Report, 1934.

To Dr. A. I. Messer, M.B.

SIR,

I beg to submit to you my Annual Report for the year ending December 31st, 1934.

This is an ordinary report as defined by Circular 1417 of the Ministry of Health, dated 25th October, 1934.

SANITARY CIRCUMSTANCES OF THE DISTRICT.

(a) WATER SUPPLY.

The whole area is supplied with water from the mains of the Newcastle & Gateshead Water Company, with the exception of the Smallpox Hospital and a few farms.

(b) RIVERS AND STREAMS.

Complaints have been received regarding the offensive state of Lemington Gut, due to the discharge of sewage into the river.

The Surveyor is dealing with the matter with a view to effecting a remedy.

(c) DRAINAGE AND SEWERAGE.

The general character of the drainage is good with the exception of the older properties.

The whole of the sewage of the area discharges into the River Tyne after preliminary screening.

(d) CLOSET ACCOMMODATION.

At the close of the year there were 5,053 water closets, 53 pail closets and 250 privies in use in the district.

(e) COLLECTION AND DISPOSAL OF HOUSE REFUSE.

During the year an attempt was made to persuade the owners of houses where fixed ashpits were provided to abolish these and substitute portable ash bins. The attempt has been very successful, 176 ashpits being abolished. I hope to be in a position at the end of 1935 to report that there are no fixed ashpits remaining in the district. This should tend to reduce the refuse collection costs as the occasional fixed ashpit interferes with an organised system for collecting refuse from an area where bins are the general type of storage receptacle.

The refuse collection and disposal is carried out by the Surveyor's Department.

(f) SANITARY INSPECTION OF DISTRICT

(1) Number and Nature of Inspections.

Premises.	Visits.
Housing Inspections under the Regu-	
lations of 1925	54
Visits and Re-visits under the Public	
Health Acts, etc	792
Shops and Food Stores	166
Dairies, Cowsheds and Milkshops	281
Slaughterhouses	392
Tents and Vans, etc	14

Offensive Trades		• •	31	
Factories and Workshops	• •	• •	59	
Keeping of Animals		• •	14	
Refuse Receptacles			437	
Offensive Accumulations		• •	7	
Smoke Nuisances		• •	8	
				2255
Visits re Infectious Disease			165	
Visits re Disinfection				
Visits re Verminous Premises				
visits te veriminous i lemises) • •		——	
				400
Visits re Milk Samples		• •	204	
Drains Tested	• •		22	
				226
		Total	• •	 2966
Number of Notices served.				

(2)

To secure the abatement of nuisances and the removal of defects and conditions dangerous to health, the following action was taken in respect of 726 defects:—

Informal Notices	• •		• •	96	
Letters or Interviews	• •	• •	• •	300	
Statu	utory No	otices.			
Section 17, Housing	Act, 19	930		• •	2
Section 36, Public H	ealth A	ct, I	875	• •	I
Section 22, Public Act, 1890.	Health	Ame	endmen	t	I
Section 39, Public Hea	alth Act	s (An	ıen d me	ent)	ΙΙ
Act, 1907.				-	orthogo ty day to reference description
		,	Total	• •	15

(3) Record of Works Completed.

The following statement shows details of the works carried out as a result of the action taken above:—

arried out as a result of the action	takei	1 ab//v	C .
Complaints attended to	0 0		123
Drainage :—			
W.C. drains cleansed	• •	• •	14
Yard drains repaired			21
Yard drains cleansed			15
Choked gullies cleansed			16
New gullies provided		• •	I
New drains laid	• •	• •	ΙŢ
Gully grates provided	• •	• •	II
Inspection chambers provided	• •		2
Cesspools made watertight			I
Inspection Chamber covers ren	newed		I
Sanitary Conveniences :—			
W.C. Pans refixed			9
W.C. Seats repaired			10
W.C.'s provided complete		• >	II
W.C. Pans provided			4
W.C. Cone joints repaired			4
W.C. Cisterns repaired			6
W.C. Burst pipes repaired			6
W.C. Structures repaired	• •		20
Privies abolished			12
W.C. Cisterns re-newed	• •		I
Sanitary Convenience cleansed	. • •		I
Refuse Receptacles :—			
Open ashpits abolished			3
Covered ashpits abolished			173
Portable aslibins provided			187
Bins repaired			•
Ashbins renewed			27
Privy ashpits repaired			\I
Tit. J was property			

Housing: —

Yard surfaces repaired		23
External Brickwork repaired		~3 II
Ceilings repaired	• •	18
Distance and sine d		
D. fr. married	• •	70
•	• •	27
Internal woodwork repaired		4
Food Stores repaired	• •	8
Ovens repaired		18
Windows overhauled and repaired	6 8	102
Nuisances from dampness abated	e "	17
Waste pipes repaired ,	5 P	16
Insanitary woodwork to sinks repaired	ed	II
Staircases and handrails repaired		3
Ventilated Foodstores provided	• •	43
Washing Accomodation provided	• •	32
Overcrowding abated	• •	I
Eaves gutters repaired and cleansed	• •	21
Rainwater pipes repaired	• •	38
Fireplaces repaired	• •	32
Floors repaired	• •	15
Washing coppers repaired	₩ •	7
Doors repaired	• d	24
External steps and staircases repaire		6
New scullery sinks provided		18
Scullery Sinks renewed		4
Water Supply:—Burst pipes and to		4
repaired	-	II
Floors ventilated	• •	7
Dirty premises cleansed		II

Cowsheds, Dairies and Milkshops:—		
Cowsheds cleansed and limewashed	• •	60
Floors altered and reconstructed .	• •	4
Contravention of Milk & Dairies Orde	r	I
Notices to cleanse cows	• •	5
Cowsheds reconstructed	• •	2
Slaughterhouses:—		
Infringement of Bye-law 9	• •	4
Contravention of Meat Regulations	• •	Ι
Bakehouses :		
Cleansed and limewashed	• •	2
Offensive Trades :—		
Premises cleansed and limewashed	• •	I
Offal receptacles provided	• •	2
Piggeries :		
Cleansed and limewashed	• •	I
Food Premises and Shops:—		
Sleeping premises used as shop	• •	2
Yard surface relaid	• •	I
Premises Cleansed		I
Miscellaneous :		
Sanitary accommodation provided at factory		I
Accumulation removed		8
Manure pit covered		I
Toys on rag cart		Ι
Verminous premises cleansed		
Caravans moved		3
Rooms fumigated		240

(g) PLACES OF PUBLIC ENTERTAINMENT.

In accordance with Circular 120 of the Ministry of Health, the three cinemas in the district have been periodically visited.

(h) FACTORIES, WORKSHOPS AND WORKPLACES.

(1) Inspection of Factories, Workshops and Workplaces.

	Number of		
Premises. (1)	Inspections. (2)	Written Notices. (3)	Occupiers prosecuted. (4)
Factories (including Factory Laundries).	14	2	
Workshops (including Workshop Laundries)	24		_
Workplaces (other than Outworkers' premises)	11		
Total .	59	2	_

(2) Defects found in Factories, Workshops and Workplaces.

	Nui	Number of offences in respect to		
Particulars.	Found.	Remedied.	of	
(1)	(2)	(3)	Factories. (4)	(5)
Nuisances under the Public Health Acts:— Want of cleanliness. Want of ventilation. Overcrowding. Want of drainage to floors Other nuisances Sanitary Accommodation Insufficient, unsuitable or defective.	2 - - 2	2 		
Not separate for sexes .				
Offences under the Factory and Workshop Acts:— Illegal occupation of Underground Bakehouse (S. 101)				
Other Offences:— (Excluding offences relating to outwork and offences under the Sections mentioned in the Schedule to the Ministry of Health (Factories and Workshops Transfer of Powers) Order, 1921)				
Total .	11	11	_	

One Notice was received from H.M. Inspector of Factories during the year. The requirements were complied with after the service of formal notice under Section 22 of the Public Health Amendment Act, 1890.

The following table gives the various numbers of occupations herein:—

Cord Manufactu	rers	• •	• •	• •	I
Dressmakers	• •	• •	• •	• •	I
Bakers and Con	fection	ers	• •	• •	IO
Milliners	• •	• •	• •	• •	I
Garages	• •	• •	• •	• •	6
Laundries	• •		• •		I
Tailors	• •	• •	• •		I
Builders	• •	• •	• •	• •	3
Plumbers	• •		• •		2
Boot Repairers	• •	• •	• •		8
Joiners and Cal	oinet M	lakers	• •		4
Blacksmiths	• •	• •	• •	• •	2
Saddlers	• •	• •	• •		I
Glass Makers	• •	• •	• •	•	I
Brickworks	• •	• •	• •	• •	4
Spring Makers	• •	• •	• •	• •	1
Road Material	Manufa	cturers		• •	I
			Total	• •	48

(i) RATS AND MICE (DESTRUCTION) ACT, 1919

Continual efforts have been made to deal with nuisances arising from rats, and informal action has taken place under the above Act.

The services of a Ratcatcher were again retained by the Council for the year, and his duties include the regular and periodical inspection of the refuse tips used by the Council, and other Council property. During the year 548 rats have been killed and 1340 Baits were laid. The tips were fairly free of rats at the end of the year.

(j) SMOKE ABATEMENT.

The Council is represented on the Northumberland and Durham Advisory Regional Smoke Abatement Committee.

Smoke observations are taken periodically.

Classes for Stokers were held at Rutherford College, Newcastle, during the year and the attention of the firms in the area was drawn to the course of lectures and demonstrations.

(k) OFFENSIVE TRADES.

The trade of tripe boiling as carried on at the several slaughterhouses is supervised in conjunction with the routine visits thereto, and is generally satisfactory. The trades are governed by Byelaws, and the trade of fish fryer has been added to the statutory list of offensive trades. There are in the district three tripe boilers and fourteen fish fryers, all of whom conduct their business in a satisfactory manner and have been subject to periodical inspection.

During the year the trade of Rag & Bone Dealer was declared to be an "Offensive Trade" and Bye-laws have been made for the regulation of the business.

HOUSING (Consolidated) REGULATIONS, 1925.

Tabular Statement as required by Article 31, for Year 1934.

1	Ho'	uses	erected during the year			
				With State assistance.	Unaided.	TOTAL.
(0	a)	Ву	Local Authority	225		225
(7)	<i>b</i>)	Ву	other Bodies or Persons		148	148
(1)	Ins	эресі	tion of Dwelling Houses	during th	e year:—	
(I)	(a)	Total number of dwell for housing defects (u or Housing Acts)	ınder Pul	olic Ĥealt	
		(<i>b</i>)	Number of inspections	made for t	the purpo	se 586
(2))	(a)	Number of dwelling ho sub-head (I) above) wand recorded under t dated Regulations, 19	vhich were he Housin	e inspecto	ed
		(b)	Number of inspections		the purpo	
(3	/	stat	nber of dwelling house e so dangerous or inju- unfit for human habita	rious to 11		
(4)	,	refe not	nber of dwelling houses rred to under the preced to be in all respects reasitation	ding sub-l	lead) four	nd

(2)	Ren	nedy of Defects without Service of Formal Notices.	
		Number of defective dwelling houses rendered fit in consequence of informal action by Local authority or its officers	88
(3)	Acti	ion under Statutory Powers :	
(a	t) F	Proceedings under Sections 17, 18, and 23 of the Hou Act, 1930 :—	sing
	(1)	Number of dwelling houses in respect of which "notices" were served requiring repairs	2
	(2)	Number of dwelling houses which were rendered fit after service of formal notices:—	
		(a) By Owners	
(b	P	roceedings under Public Health Acts:—	1
		Number of dwelling houses in respect of which notices were served requiring defects to be remedied	12
	(2)	Number of dwelling houses in which defects were remedied after service of formal notices:—	
		(a) By Owners I (b) By Local Authority in default of owners II	12
(c)	Pr	oceedings under Sections 19 and 21 of Housing 1930:—	Act,
	(1)	Number of dwelling houses in respect of which Demolition Orders were made	2
	(2)	Number of dwelling houses demolished in pursuance of Demolition Orders	*
(d)	Pr	coceedings under Section 20 of the Housing Act, 1930	
	(1)	Number of separate tenements or underground rooms in respect of which Closing Orders were made	
	(2)	Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit	
4) I		of Houses Permanently Discontinued as wellings and not included above	4

The work in connection with the Clearance of Slums under the Housing Act, 1930, progressed steadily during 1934.

The following Clearance Orders were made during the year.

Middle Row, Lemington	• •		16 houses.
Factory Row ,,	• •	• •	3 houses.
Syntax Square ,,	• •	• •	6 houses.
Black Row, West Denton			5 houses.
High Street, Newburn	• •	• •	3 houses.
Pumping Engine, Scotswood	od		9 houses.

The occupants of High Row (Lemington Clearance Area), and Carrs Row (Bells Close Clearance Area) were rehoused. The types of houses, together with the weekly nett rentals, rates and inclusive rentals is set out below:—

	Nett Rent.	Rates, incl. Water.	Inclusive Rent.
Old type—2 rooms with bathroom & scullery .	ı/ıo	1/9	3/7
3 roomed flats—bathroom and scullery	2/9	2/6	5/3
4 roomed semi-detached self contained houses—	10	,	
bathroom & scullery .	3/8	3/1	6/9

The hydrogen cyanide method of fumigation was adopted with the consent of the tenants as a precautionary measure.

The following table shews the 5 year provisional programme submitted to the Minister of Health in 1933, together with a statement shewing the position in March, 1935.

NEWBURN URBAN DISTRICT COUNCIL.

Copy of Provisional Programme, shewing position in March, 1933.

Present Position.	Clearance order made and confirmed. Tenants re-housed and houses denolished. Clearance order made and confirmed in relation to 5 houses. Tenants re-housed and houses denolished. Other house dealt with as individual unfit house. Clearance order made and confirmed. Carrs Cottage, No. 1 area 3 houses Do. No. 2 area 3 houses Ready for submission by M.O.H. after inspection by him. Area will be transferred to Newcastle in March, 1935. Houses converted into stable by owner. Winning Clearance Order No. 1 4 houses Do. No. 2 4 houses No. 2 4 houses Corrected but reports not completed. Do. do. Results achieved without the formality of a scheme. Not yet inspected. Treated as Black Row Clearance Area.—Clearance order made and confirmed. This was a provisional number to be treated at the rate of 5 per annum—it included 8. This was a provisional number to be treated at the rate of 5 per annum—it included 5 houses which will be transferred to Newcastle Corporation when the boundary is extended at the ord of March, 1935. One house has been altered and will be used as a shop in anticipation of action under Housing Act. One house has been demolished by owner in anticipation of action under Housing Act.
No. of Houses to be demol- ished.	10 10 10 10 10 10 10 10 10 10
CLEARANCE AREA.	1—High Row Area, Lemington 2—Carrs Row Clearance Area, Lemington 4—Middle Row Area

HOUSING (RURAL WORKERS) ACT, 1926.

There were no applications for assistance under the Act during 1934.

INSPECTION AND SUPERVISION OF FOOD.

The bacteriological sampling of milk and the chemical examination of the samples for advisory purposes by means of the Gerber method was continued.

Further detailed particulars regarding the food supplies of the district will be found in later sections of the report.

(a) MILK SUPPLY.

(1) Milk and Dairies Order, 1926.

The following is a summary of the particulars as recorded in the Register at the 31st December, 1934.

Number of persons registered as cow- keepers	19
Number of premises registered as cow- sheds	34
Number of cows kept on registered premises (approx.)	438
Number of cowkeepers retailing milk	15
Number of persons registered as dairy- men	26
Number of persons registered as retail purveyors	72
Number of cowkeepers outside district retailing in the area	5
Number of dairymen outside the district retailing in the area	10
Number of premises registered as dairies	27

Great credit must be given to the farmers and dairymen for their efforts to give the public a clean milk supply, and I have to thank them for their whole-hearted co-operation with your officials at all times.

(a) Bacteriological Examination of Milk.

The bacteriological examination of milk which was commenced in 1927 has been continued throughout the year Four samples are taken annually from each supply and are examined for total bacterial count and bacillus coli content, and two samples examined annually for the presence of tubercle bacilli. Additional check samples are taken as and when required.

The following statement shows the number of examinations carried out, viz.:—

Number of samples collected	•	Outside District. 28
Samples examined for total bacterial count	78	28
Samples examined for coliform bacilli	78	28
Samples examined for tubercle bacilli	46	16

The routine bacteriological examination of the milk supplies of the district is exceedingly useful, as it has instilled in a practical manner into the producers and retailers of the district, a clear understanding of the principles of clean milk production.

(a) TOTAL BACTERIAL COUNT.

The standard adopted is 200,000 organisms per cubic centimetre and samples containing more than this number are considered to be unsatisfactory. This standard may be considered to be too low, but as it is the standard permitted by the Milk (Special Designations) Order, 1923, for Grade A milk, it has been deemed inadvisable to fix a higher standard.

Of the 78 samples produced in the district, 73 or 93.6 per cent. were satisfactory. The average bacterial count of the 78 samples was 60,457 per cubic centimetre.

Of the 28 samples produced outside the area, 22 or 78 per cent. were satisfactory. The average bacterial count of the samples was 137,472 per cubic centimetre.

To summarise, of 106 samples examined for total bacterial count 95, or 89.6% were satisfactory, having an average count of 31,946. The average count of the 11 samples below the standard was 502,728 per cubic centimetre.

The following table gives comparisons for the last five years since the commencement of sampling for total bacterial count:—

				Sample	s Take	n.			ed.	ry.	ory	les.
	Lo	ocal Pr	oduce	ers.	(Produ outside			obtained.	isfacto	Satisfactory s.	of Samples
Year.	Satisfactory.	Un- satisfactory.	Total.	Satisfactory.	Satisfactory. Un- satisfactory. Total. Satisfactory.		% Satisfactory.	Total Samples	% Total Satisfactory	Av. Count of Sa Samples.	Av. Count Unsatisfactory	
1930	87	11	98	88.7	55	13	68	80.8	166	85.5	33,565	643,847
1931	87	5	92	94.5	52	6	58	89.6	150	92.6	36,101	1,430,909
1932	85	3	88	96.6	37	4	41	90.2	129	94.6	25,841	382,285
1933	79	4	83	95.2	20	6	26	77.0	109	90.8	8,697	911,120
1934	73	5	78	93.6	22	6	28	78.0	106	89.6	31,946	502,728

(b) COLIFORM BACILLI.

The standard adopted is that coliform bacilli should not be found in a smaller quantity of milk than one-tenth of a cubic centimetre; in effect, this means that there should not be more than 10 such organisms present in one cubic centimetre of milk. The value of this examination is considered to be very great as it is a definite indication

of excremental contamination. Coliform bacilli are normally present in the intestinal canal of the cow, being passed therefrom in the dung, hence their presence may fairly be considered to indicate gross contamination of the milk if found to a greater extent than that indicated above.

Of the 78 samples of milk produced in this district, 64 or 82% were satisfactory.

Of 28 samples of milk produced outside the area, 17 or 60% were satisfactory.

To summarise of 106 samples examined for coliform bacilli, 81 or 76% were satisfactory.

The following table gives comparisons for the last five years.

			S	amples	Taken	•				
	Lo	ocal Pro	duce	ers.	(Produ outside		•	Samples ained.	Total ctory.
Year.	Satisfactory.	Un- satisfactory.	Total.	% Satisfactory.	Satisfactory.	Un- satisfactory.	Total.	% Satisfactory.	Total Sam obtained	% of Total Satisfactory.
1930	61	37	98	62	37	31	68	54	166	59
1931	70	22	92	76	45	13	58	77	150	7 6
*1932	75	13	88	85	29	12	41	70	129	80
1933	65	18	83	78	14	12	26	53	109	72
1934	64	14	78	82	17	11_	28	60	106	76

^{*} Five samples were sterilized milk from outside the area.

(c) TUBERCLE BACILLI.

46 samples of milk produced in the district were examined of which 3 or 6.5% were positive. 16 samples of milk produced outside the area were examined and 2 were positive giving a percentage of 12.5.

To summarise, of the 62 samples examined for the presence of tubercle bacilli, 5 or 8.0% gave positive results.

When samples are taken from a large herd, samples are submitted for biological examination from each byre.

The following table gives the comparisons for the last five years:—

			Sa	amples	Take	n.				
Year.		ocal	Produ	icers.			oduce ide <i>A</i>		Samples ained.	% of Total Positive.
	Negative.	Positive.	Total.	o/o Positive.	Negative.	Positive.	Total.	% Positive.	Total Samp obtained.	% of Posi
1930	47		47		32	2	34	5.8	81	2.4
1931	42	3	45	6.6	29	2	31	6.4	76	6.5
1932	38	2	40	5.0	24		24	_	64	3.1
1933	50	.4	54	7.4	13	1	14	7.1	68	7.4
1934	43	3	46	6.5	14	2	16	12.5	62	8.0

(d) SUMMARY.

In all 113 portions of milk were obtained during the vear for foregoing examination and of this total, 81 or 71.6% were satisfactory in every respect.

The following table shows comparisons of results of the examinations for the last five years of all the samples taken.

		a the greater of the	Sa	mples l	Exam	nined.	, - b \ juit 6		· A	ry.		کہ
	L	ocal	Produ	icers.		Proc	ducer le Ar		Satisfactory	Unsatisfactory	Examined	% of Satisfactory.
Year.	Satisfactory.	Un- satisfactory.	Total.	Satisfactory. Satisfactory. Un- satisfactory. Total.		% Satisfactory.	Total Satis	Total Unsat	Total Exa	7% Total Sati		
1930	65	39	104	60	34	34	68	50	99	73	172	57.5
1931	69	23	92	75.0	41	17	58	70.6	110	40	150	73.3
1932	71	17	88	80.7	27	14	41	65.9	98	31	129	75.9
1933	69	22	91	75.8	12	14	26	46.1	81	36	117	69.1
1934	67	18	85	78.8	14	14	28	50.0	81	32	113	71.6

(3) Tuberculosis Order, 1925

The Tuberculosis Order of 1925 is administered by the County Council.

As result of the routine sampling of milk, notifications were sent to the County Medical Officer of Health during the year of the 3 positive T.B. samples within the area and of the 2 positive samples outside the area.

The farms were visited by the County Veterinary Inspector and the necessary action taken under the above Order.

(4) Sterilized Milk.

Eight samples of sterilized milk produced outside the area were obtained during the year. The plates of 7 samples were sterile. Bacillus Coli was absent in .oɪ c.c. In the remaining sample B. Coli. was absent in one c.c. and the total bacterial count was 976,000.

2 samples were submitted for biological examination for T.B., neither were positive.

(5) Graded Milk.

CERTIFIED:

4 samples were obtained and all conformed with the standard for Certified Milk, viz.:—No. B. Coli in one-tenth of a cubic centimetre and not more than 30,000 bacteria per c.c.

One sample was submitted for biological examination for Tubercle Bacilli and the result was negative.

GRADE A. T.T.

12 samples of Grade A. T.T. Milk were obtained; 11 conformed with the Grade A. T.T. Standard, viz.:—No B. Coli in .oI c.c. and not more than 200,000 bacteria per c.c.

Two Samples were unsatisfactory as regards the B. Coli. standard.

6 samples were submitted for the tubercle bacilli examination and were negative.

PASTEURISED.

II Samples of Pasteurised Milk were obtained and 10 conformed with the standard, viz.:—total bacterial count not to exceed 100,000 per c.c.

There is no B. Coli standard for Pasteurised Milk, but applying our local standard for satisfactory ordinary milk, 3 (including the sample which did not comply with the bacterial count standard) could be regarded as unsatisfactory.

Two samples were submitted for the tubercle bacilli examination and were negative.

(b) MEAT.

(1) Meat Inspection.

The following summary shows the work done under the Public Health (Meat) Regulations, 1924, during the year, 1934.

Number of Notices received:—

(a) Slaughterhouses—	-
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(a) Killing on definite days 6	
(b) Occasional killing 66	
	72
Number of Visits paid:—	
(a) Slaughterhouses 392	
(b) Butchers' Shops etc 139	
	531
Number of bovine carcases examined 516	
Number of sheep carcases examined 2047	
Number of pig carcases examined 378	

All animals slaughtered in the area were examined.

- 2941

As a result of these inspections and examinations, 184 separate diseased or unsound conditions were discovered and the carcases or organs dealt with. Details of the conditions are given below:—

Bovin	ne Carcases.			И	Teight lbs.	
50	Separate seizures	s affected vith Tuberculosis	٠	٠	937	
43	do.	Cirrhosis	•	•	375	
44	do.	Abscesses	•	•	666	
2	do.	Inflammation	•	٠	7	
7	do.	Liver Fluke	•	٠	45	
				_		2030
Sheep	Carcases.					
I	Separate seizure	(Moribund)	•	٠	34	
I	do.	affected with Sept	ticæm	ia	50	
2	do.	do. Abs	cesses	3.	9	
I	do.	do. Para	asites	٠	4	
I	do.	do. Cirri	hosis	•	4	
						IOI
Pork	Carcases.					
30	Separate seizures	affected vith Tuberculosis	•	•	267	
2	do.	Pneumonia	•	•	8	
						275
	Total weight	of Meat dealt wit	h.	- /2	2,336	lbs.

By comparison with the number of carcases inspected the following table has been compiled showing the incidence of disease in the different food animals for the last five years.

The second second second	14	4 2 4 11 10 10 10 10 10			-			
	All .	Diseased	Cond	itions.		Tuber	culosis.	
Animals.		chtly cted.		nsively cted.		htly cted.		sively cted.
	No.	%	No.	%	No.	%	No.	%
Bovines— 1930 1931 1932 1933 1934 Sheep— 1930 1931 1932	163 190 172 170 95	33.20 35.44 34.46 31.50 18.41 0.31 0.64 1.01	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	0.40 0.18 0.20 — — 0.12 0.10 0.04	26 44 36 49 50	5.30 8.20 7.21 8.97 9.69	2 1 1 -	0.40 0.18 0.20
1932 1933 1934	15 4	$0.69 \\ 0.19$	$\frac{1}{2}$	$0.04 \\ 0.04 \\ 0.09$				_
Pigs— 1930 1931 1932 1933 1934	13 53 32 59 32	3.14 8.50 4.70 11.13 8.46		0.32 - 1.13 -	9 23 25 51 30	2.17 3.69 3.67 9.62 7.93	4	 0.75

No chilled meat was condemned during the year. The butchers of the district are to be congratulated on the quality of their purchases as is evidenced by the small percentage of meat condemned. They are always willing to co-operate at all times with your officials.

Much meat from outside the area has been inspected in the butchers' shops. In some cases the carcases had not been inspected, and in some cases it was found necessary to condemn certain portions of the carcase as diseased.

(2) Stalls, Shops, Stores and Vehicles.

The provisions of the Regulations have been complied with in a fairly satisfactory manner. Several infringements of the Regulations have been remedied as a result of informal action.

(3) Slaughterhouses.

There are in the district nine licensed slaughterhouses subject to annual licenses expiring on the 31st December of each year. Five of these have been in regular use throughout the year, and the other four have not been used during the year.

(c) SALE OF FOOD (ADULTERATION) ACT 1928.

This Act is administered by the Northumberland County Council, and appended below is a statement of the samples taken under the Act within the Newburn Area during the past year. This is reproduced through the kindness of Superintendent Tough, Deputy Chief Constable, who is the Inspector for this district under the Act.

FOOD AND DRUGS.

Samples of Food and Drugs taken for analysis in the Newburn Urban Area during the year 1934:—

No. of		Result of	Analysis.	 - Vendor
Samples Taken.	Description of Article.	Genuine.	Not Genuine.	Prose- cuted.
3 2 3 4 1 2 1 3 2 3 23	Tea Dried Milk Ground Almonds Ground Rice Cream of Tartar Ground Ginger Baking Powder Sugar Semolina Margarine Sausage New Milk	3 2 3 4 1 2 2 1 3 21	2	No Proceed-ings Taken.
]]]	Vinegar			
53	TOTAL	51	2	

PUBLIC HEALTH PROPAGANDA,

The scheme of Public Health Propaganda was continued throughout the year.

T. W. WALTON,

CHIEF SANITARY INSPECTOR.

May, 1935.

ADMINISTRATIVE COUNTY OF NORTHUMBERLAND.

NEWBURN URBAN DISTRICT COUNCIL.

Chief Sanitary Inspector's Annual Summary required by County Council, Vear ending 31st December, 1934.

CLASSIFICATION.	No. of Inspec- tions during Year.	No of Defects or Contra- vention of Bye-laws.	No. Outstanding from Previous Year.	Total.	No. Remedied after Letter or Interview.	No. of Informal Notices served.	Defects Remedied there- after	No. of Statutory Notices Served.	Defects Remedied there- after	In Progress or being dealt with.	Legal Proceed- ings.
(Structural Defects Defective Food Store Dampness Overcrowding Nuisances	 586 5 5 43	263 6 13 1	814 56 37	1077 62 50 1	25	53	463 38 13	63	∞ :- : :	584 24 34 5	
Insufficient Unsatisfactory	 9	111	- :	12	2 1	ee	9	•	•		::
Drainage. (Includ- Insufficient ing sink w.p. etc.) Defective	 13	70	30	30	31	: 6	24 43	• •	•	9 14	: :
Sanitary Insufficient	 17	14	82 82 82	16	1 6	01	6 2	11		2 74	• •
Shops, Food Stores, etc	166 281 392 14 31 59 14 437 	63 3 3 11 11 188 	288	111 733 33 33 11 11 516 	10 60 33 : 22 154 154 : : :	: : : : : : : : : : : : : : : : : : :	32 32		::::-:::	30	
Totals	2157	726	1078	1804	314	96	693	15	22	775	





